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REVIEW ARTICLE

- 297 Human Papillomavirus Research on the Prevention, Diagnosis, and Prognosis of Cervical Cancer in Taiwan**
 Angel Chao, MD, PhD; Huei-Jean Huang, MD; Chyong-Huey Lai, MD
 Human papillomavirus (HPV) causes nearly 100% of cervical cancers. The value of HPV detection or genotyping is potentially useful in triage of borderline or low-grade abnormal cervical cytology, follow-up after treatment of cervical intraepithelial neoplasia, assessment of prognosis and treatment planning for invasive cervical cancer.

ORIGINAL ARTICLES

- 309 Correlation of Anaplastic Lymphoma Kinase Overexpression and the *EML4-ALK* Fusion Gene in Non-Small Cell Lung Cancer by Immunohistochemical Study**
 Tai-Di Chen, MD; Il-Chi Chang, PhD; Hui-Ping Liu, MD; Yi-Cheng Wu, MD;
 Chi-Liang Wang, MD; Ya-Ting Chen, MS; Yi-Rong Chen, PhD; Shiu-Feng Huang, MD, PhD
 Sixty-four fresh frozen tumor specimens were obtained from the tissue bank of Chang Gung Memorial Hospital for echinoderm microtubule-associated protein-like 4-anaplastic lymphoma kinase (*EML4-ALK*) fusion gene analyses and anaplastic lymphoma kinase (ALK) expression by immunohistochemical (IHC) stain. Three patients were found to have the *EML4-ALK* fusion gene. The overall incidence was only 4.7%. The incidence in epidermal growth factor receptor (*EGFR*) wild type non-squamous cell carcinomas was 14.3%. When compared with other clinical and molecular features, only the IHC stain for ALK was significantly correlated with the *EML4-ALK* fusion gene ($p = 0.0002$).
- 318 High-fat Diet Aggravates Islet Beta-cell Toxicity in Mice Treated with Clozapine**
 Chung-Huei Huang, MD; Shin-Huei Fu; Samuel Hsu, MD; Yu-Yao Huang, MD, PhD;
 Szu-Tah Chen, MD, PhD; Brend Ray-Sea Hsu, MD, PhD
 Patients treated with atypical antipsychotic drugs may develop diabetes. This study investigated the beta-cell toxicity of clozapine in mice. Fifty-two mice were randomized into 4 groups. Mice pancreases were studied for apoptosis and ki67 staining on day 11 and pancreatic insulin content (PIC) on day 56. Apoptosis, less proliferation and lower PIC were found in the beta-cells of mice treated with clozapine. Although mice fed a high-fat diet gained weight, mice fed clozapine and high fat chow simultaneously had more severe pancreatic damage.
- 323 Correlations between Sexual Dysfunction, Depression, Anxiety, and Somatic Symptoms among Patients with Major Depressive Disorder**
 Chiao-Fan Lin, MD; Yeong-Yuh Juang, MD; Jung-Kwang Wen, MD; Chia-Yih Liu, MD;
 Ching-I Hung, MD
 The purpose of this study was to investigate the correlations between sexual dysfunction and depression, anxiety, and somatic symptoms among patients with major depressive disorder (MDD). One-hundred and thirty-five MDD outpatients were enrolled and treated for one month with venlafaxine 75 mg daily. The Arizona Sexual Experience Scale-Chinese Version (ASEX-CV) and three psychometric scales were administered. The depression score was most correlated with the ASEX-CV score and independently predicted the total ASEX-CV score. However, the somatic score was not correlated with the ASEX-CV score. Therefore, sexual dysfunction among MDD patients was most correlated with depression, but not with somatic severity.
- 332 Computed Tomography-Based Navigation-Assisted Pedicle Screw Insertion for Thoracic and Lumbar Spine Fractures**
 Chih-Yun Fan Chiang, MD; Tsung-Ting Tsai, MD; Lih-Huei Chen, MD; Po-Liang Lai, MD;
 Tsai-Sheng Fu, MD; Chi-Chien Niu, MD; Wen-Jer Chen, MD
 The placement of pedicle screws is important for thoracolumbar fractures to prevent neurological injury after spine fixation. The image data of 14 patients who received CT-based navigation-assisted pedicle screw fixation for thoracolumbar fractures were reviewed to evaluate the accuracy of pedicle screw placement. The

postoperative CT results showed only 4 (3.9%) screws penetrated the pedicle cortex laterally, and no medial penetration or iatrogenic neurological injury was found. Pedicle screws can be placed accurately with a CT-based image-guided system, and, since intraoperative fluoroscopy is not used, radiation exposure can be reduced.

339 Temporary Vesicostomy-Assisted Urethroplasty for Recurrent Obliterated Posterior Urethral Stricture

Jui-Ming Liu, MD; Ta-Min Wang, MD; Yang-Jen Chiang, MD; Hsiao-Wen Chen, MD; Sheng-Hsien Chu, MD; Kuan-Lin Liu, MD; Kuo-Jen Lin, MD

We report the outcomes of anastomotic urethroplasty in 12 patients with recurrent obliterated posterior urethral stricture. The mean estimated preoperative radiographic length of the urethral disruption was 4.25 cm. All patients underwent 1-stage bulboprostatic anastomotic repair with an intraoperative temporary vesicostomy. The initial objective success rate was 83%. The mean follow-up was 22 months. The mean peak flow rate at the last follow-up visit was 16.3 ml/s. Two patients developed an anastomotic stricture 6 weeks after surgery that was successfully treated by direct visual internal urethrotomy. Finally, all patients had a patent urethra after salvage treatment postoperatively.

345 Complications of Cement-Augmented Dynamic Hip Screws in Unstable Type Intertrochanteric Fractures - A Case Series Study

Meng-Huang Wu, MD; Po-Cheng Lee, MD; Kuo-Ti Peng, MD, PhD; Chi-Chuan Wu, MD; Tsung-Jen Huang, MD; Robert Wen-Wei Hsu, MD

To investigate the complications of polymethylmethacrylate cement-augmented dynamic hip screws (DHS) in unstable intertrochanteric fractures, 321 patients were retrospectively reviewed. Sixty-seven patients were included (25 men and 42 women; mean age, 81.2 years). The mean follow-up time was 40.2 months. The mean union time was 18.5 weeks (12-40 weeks). Failure in 6 cases was more related to the side plate. Cement-augmented DHS have a different failure mode than screw cutout in conventional DHS. Failures were more related to delayed union, nonunion and resultant side plate construct failure.

CASE REPORT

354 A Rare Case of Spontaneous Resolution of Eosinophilic Ascites in A Patient with Primary Eosinophilic Gastroenteritis

Wei-Hsuan Liao, MD; Kuo-Liang Wei, MD; Po-Yen-Lin, MD; Cheng-Shyong Wu, MD

Eosinophilic gastroenteritis involving the subserosal layer of the gut is usually complicated by ascites, which mandates early corticosteroid therapy. A favorable outcome can be achieved after a short course of corticosteroids. We present a rare case of eosinophilic gastroenteritis which spontaneously resolved without any medical treatment. After reviewing the literature, we believed this patient may be the first with spontaneous resolution of primary subserosal eosinophilic gastroenteritis.

360 INSTRUCTIONS TO AUTHORS

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